

## GIPSA Performance Verified Rapid Test Kits for Analysis of Mycotoxins

The following table reflects kits that were submitted to GIPSA by kit manufacturers. Kit performance as claimed by the manufacturer was verified by GIPSA.

Company	Test Kit	Part Number	Test Type	Test Kit Range	Test Format	Identified Commodities
Charm Sciences, Inc.	ROSA® Aflatoxin P/N 20 ppb	LF-AFPN	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Charm Sciences, Inc.	ROSA® Aflatoxin P/N 10 ppb	LF-AFPN	Aflatoxin (qualitative)	Screens @ 10 ppb	Lateral Flow Strip	Corn
Charm Sciences, Inc.	ROSA® Aflatoxin (Quantitative)	LF-AFQ-100	Aflatoxin (quantitative)	5 - 100 ppb	Lateral Flow Strip	Corn, Corn Flour, Corn Germ Meal, Corn Gluten Meal, Corn Meal, Corn Screenings, Corn Soy Blend, Cracked Corn, Distillers Dried Grains, Flaking Corn Grits, Milled Rice, Popcorn, Rough Rice, Sorghum, Soybeans, Wheat
Charm Sciences, Inc.	ROSA® DON P/N 1 ppm	LF-DONPN	DON (qualitative)	1 ppm	Lateral Flow Strip	Wheat, Barley
Charm Sciences, Inc.	ROSA® DON P/N 0.5 ppm	LF-DONPN	DON (qualitative)	0.5 ppm	Lateral Flow Strip	Wheat
Diachemix, LLC	DON FPA	61530	DON (qualitative)	1 ppm	Fluorescence Polarization	Wheat
Diagnostix Limited	EZ-Quant Plate Kit	600312	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Corn
Diagnostix Limited	EZ-Quant 0.5 Plate Kit	600313	DON (quantitative)	0.5 - 2.5 ppm	Microtiter Well Plate Assay	Barley, Malted Barley
Diagnostix Limited	EZ-Tox DON	600120-DON	DON (quantitative)	0.5 - 5 ppm	Rapid Enzyme Immunoassay	Wheat, Barley, Malted Barley, Corn
EnviroLogix, Inc.	QuickTox <sup>TM</sup> Kit for Aflatoxin in Corn	AS 101 BG	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
International Diagnostic-Distributed by Romer	Afla-20-Cup	COKAC1020	Aflatoxin (qualitative)	Screens @ 20 ppb	Solid Phase Immunoassay	Corn
Neogen Corporation	Agriscreeen	8010	Aflatoxin (qualitative)	Screens @ 20 ppb	Microtiter Well Plate Assay	Corn
Neogen Corporation	Reveal for Aflatoxin	8015	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Neogen Corporation	Veratox-AST	8041	Aflatoxin (quantitative)	5 - 300 ppb	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Germ Meal, Corn Gluten Meal, Corn Meal, Corn/Soy Blend, Milled Rice, Popcorn, Sorghum, Soybeans, Wheat
Neogen Corporation	Veratox	8030	Aflatoxin (quantitative)	5 - 50 ppb	Microtiter Well Plate Assay	Corn, Corn Gluten Meal, Corn Meal, Corn Soy Blend, Cottonseed, Distillers Dried Grains w/ Solubles (DDGS), Milled Rice, Popcorn, Sorghum, Soybeans, Wheat
Neogen Corporation	Agriscreeen	8310	DON (qualitative)	Screens @ 1.0 ppm	Microtiter Well Plate Assay	Barley, Corn, Oats, Wheat, Malted Barley
Neogen Corporation	Veratox 5/5	8331	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Oats, Corn, Rice
Neogen Corporation	Veratox	8330	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Barley, Malted Barley, Corn, Oats, Wheat
Neogen Corporation	Veratox	8830	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Popcorn, Rough Rice, Corn/Soy Blend, Wheat
R-Biopharm	Ridascreen FAST SC	R6001	Aflatoxin (quantitative)	5 - 100 ppb	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Flour, Wheat, Cracked Corn, Corn Soy Blend, Popcorn, Corn Gluten Meal, Soybeans, Sorghum, Corn Germ Meal, Distillers Dried Grains w/ Solubles
R-Biopharm Rhone Ltd.	AFLACARD T20	P57	Aflatoxin (qualitative)	Screens @ 20 ppb	Enzyme Immunoassay	Corn
R-Biopharm	Ridascreen FAST	R5901 (96 wells) R5902 (48 wells)	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Oats, Corn, Rice
R-Biopharm	Ridascreen FAST	R5602	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Sorghum, Corn Gluten Meal, Corn Germ Meal, Corn/Soy Blend
Romer	AgraStrip <sup>TM</sup> Total (20 ppb)	COKAS1000	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Romer	FluoroQuant	COKFA1060	Aflatoxin (quantitative)	5 - 300 ppb	Rapid, Fluorometric, Solid Phase Cleanup	Corn, Corn Meal, Milled Rice, Popcorn, Sorghum, Wheat, Corn/Soy Blend, Soybeans
Romer	FluoroQuant Afla (FQ Afla)	COKFA2020	Aflatoxin (quantitative)	5 - 100 ppb	Rapid, Fluorometric, Solid Phase Cleanup	Corn, Corn Meal, Corn/Soy Blend, Milled Rice, Popcorn, Sorghum, Soybeans, Wheat
Romer	FluoroQuant	COKFD1050	DON (quantitative)	0.5 - 5 ppm	Fluorometric Solid Phase Clean-up	Barley, Malted Barley, Corn, Oats, Wheat
Romer	AccuTox	COKAD1014	DON (quantitative)	0.5 - 5 ppm	ELISA Based Antibody Coated Tubes	Barley, Corn, Malted Barley, Oats, Wheat, Wheat Flour, Wheat Midds
Strategic Diagnostics, Inc.	Myco✓	7000125	Aflatoxin (quantitative)	5 - 300 ppb	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Soy Blend, Sorghum, Popcorn
Strategic Diagnostics, Inc.	Myco✓	7000135	DON (quantitative)	0.5 - 3 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Oats, Corn
Strategic Diagnostics, Inc.	Myco✓	7000130	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Germ Meal
Vicam	Aflatest	12022	Aflatoxin (quantitative)	5 - 100 ppb	Immunoaffinity Column	Corn, Condensed Distillers Solubles, Corn Bran, Corn Flour, Corn Germ Meal, Corn Gluten Feed, Corn Gluten Meal, Corn Meal, Corn Soy Blend, Distillers Dried Grains, Distillers Dried Grains w/ Solubles, Flaking Corn Grits, Milled Rice, Popcorn, Rough Rice, Sorghum, Soybeans, Wheat
Vicam	DON FQ	DFQ800	DON (quantitative)	0.5 - 5 ppm	Fluorometric Solid Phase Clean-up	Barley, Malted Barley, Corn, Oats, Wheat
Vicam	FumoniTest	G1029	Fumonisin (quantitative)	0.5 - 5 ppm	Rapid, Fluorometric, Solid Phase Cleanup	Corn, Corn Meal, Corn Soy Blend, Corn Germ Meal, Sorghum, Popcorn, Flaking Corn Grits

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Company	Test Kit	Part Number	Event/Protein Analyte	Test Sensitivity	Test Format
Agdia, Inc.	Roundup Ready (CP4 EPSPS) ImmunoStrip™ Test	STX 74000	(TM)	1 in 1000 soybeans	Lateral Flow Strip
EnviroLogix Inc.	Cry9C ELISA Plate Kit, High Sensitivity Protocol	AP 008	StarLink/Cry9C	1 in 10,000 corn kernels	Microtiter Well Plate Assay
EnviroLogix Inc.	Cry9C ELISA Plate Kit, Rapid Protocol	AP 008	StarLink/Cry9C	1 in 2400 corn kernels	Microtiter Well Plate Assay
EnviroLogix Inc.	QuickStix <sup>(TM)</sup> Strips for Cry9C (StarLink)	AS 008 BG	StarLink/Cry9C	1 in 800 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix <sup>(TM)</sup> Kit for LibertyLink® Rice	AS 013 RB	LibertyLink® (Event LL601RICE expressing the PAT Protein)	1 rough rice kernel in 75 rough rice kernels	Lateral Flow Strip
Neogen Corporation	Reveal® for CP4 (Roundup Ready®)	8005	Roundup Ready Protein CP4 EPSPS	1 in 800 corn kernels 1 in 1000 soybeans	Lateral Flow Strip
Strategic Diagnostics, Inc.	Traitv <sup>™</sup> Bt9 Corn Grain Test kit	7000012	StarLink/Cry9C	1 in 800 corn kernels	Lateral Flow Strip
Strategic Diagnostics, Inc.	Traitv <sup>™</sup> LL Bulk Rice Test Kit	7000048	LibertyLink® (Event LL601RICE expressing the PAT Protein)	1 rough rice kernel in 50 rough rice kernels	Lateral Flow Strip
Strategic Diagnostics, Inc.	Traitv <sup>™</sup> RUR Bulk Soybeans 5-Minute Test Kit	7000014	Roundup Ready Protein CP4 EPSPS	1 in 1000 soybeans	Lateral Flow Strip

#### Test Kit Specified Readers

Company	Test Kit	Type of Test	Type of Reader	Specified Reader(s)
Charm Sciences, Inc.	ROSA® Aflatoxin (Quantitative and Qualitative)	Aflatoxin	Reflectance Based	ROSA-M
Neogen	Veratox-AST	Aflatoxin	Microwell Reader	BioTek EL 301
Romer	Aflatoxin Fluoroquant	Aflatoxin	Fluorometer	Romer RL-100, Vicam Series III, and Vicam Series IV
Romer	FluoroQuant Afla (FQ Afla)	Aflatoxin	Fluorometer	Romer RL-100
Strategic Diagnostics	Mycov <sup>™</sup> Aflatoxin	Aflatoxin	Microwell Reader	Hyperion Microreader 3 Model 4027-002
Vicam	Aflatest	Aflatoxin	Fluorometer	Vicam Series IV, and Vicam Model MF-2000
Vicam	Aflatest-P	Aflatoxin	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, and Vicam Model MF-2000
Charm Sciences, Inc.	ROSA® DON (Qualitative)	DON	Reflectance Based	ROSA-M
Diagnostix	EZ-Quant DON	DON	Microwell Reader	BioTek EL 301
Diagnostix	EZ-Quant 0.5 ppm DON	DON	Microwell Reader	BioTek EL 301
Diagnostix	EZ-Tox DON	DON	Microwell Reader	BioTek ELx808
Romer	DON Fluoroquant	DON	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, Torbex 100, and Vicam FX-100
Romer	DON Accutox	DON	Spectrophotometer	Hach
Vicam	DON FQ	DON	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, Torbex 100, and Vicam FX-100
Neogen	AgriScreen	DON	Microwell Reader	Bio Tek EL 301
Neogen	Vomitoxin Veratox	DON	Microwell Reader	Bio Tek EL 301
Neogen	Veratox DON 5/5	DON	Microwell Reader	Stat-Fax Model 321 PLUS
Strategic Diagnostics	Mycov <sup>™</sup> Don	DON	Microwell Reader	Hyperion Microreader 3 Model 4027-002
R-Biopharm	Ridascreen Fast DON	DON	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002, Stat-Fax Model 303 PLUS
Neogen	Veratox Quantitative Fumonisin	Fumonisin	Microwell Reader	Stat-Fax Model 321 PLUS
R-Biopharm	Ridascreen Fast Fumonisin	Fumonisin	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002, Stat-Fax Model 303 PLUS
Strategic Diagnostics	Mycov <sup>™</sup> Fumonisin	Fumonisin	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002